HARVARD UNIVERSITY
17 Oxford Street
Cambridge, MA 02138

Tuesday, February 2, 2021, at 10:00 (Boston)
15:00 (UK/Eire)   16:00 (C.Europe)   23:00 (China)
Mathematical Picture Language Seminar

Zoom at: https://harvard.zoom.us/j/779283357?pwd=MitXVm1pYUlJVzZqT3lwV2pCT1ZUQT09

W*-rigidity paradigms for embeddings of II_1 factors
Stefaan Vaes, Katholieke Universiteit Leuven

Abstract: I will report on a recent joint work with Sorin Popa in which we undertake a systematic study of W*-rigidity paradigms for the embedding relation between II_1 factors and their amplifications. We say that a II_1 factor M stably embeds into a II_1 factor N if M may be realized as a subfactor of an amplification of N, not necessarily of finite index. This is a preorder relation and we prove that it is as complicated as it can be: under the appropriate separability assumptions, we concretely realize any partially ordered set inside the preordered class of II_1 factors with embeddability.